ANAL	YST:		VPDES NO				
<u>METH(</u>	Parameter: Total Residual Chlorine Method: Amperometric Titration (Direct) 04/01 IETHOD OF ANALYSIS:						
	18th EDITION OF STANDARD METHODS-4500-CL D						
	EPA METHODS FOR CHEMICAL ANALYSIS-330.1						
	ASTM D1253 - 86(92)						
					Y	N	
1)	Is PA	O normality 0.00564N? [SM Cl C.3.a;330.1-5.1]					
2)	Are reagents free of contamination or growths? [Permit]						
3)	Is KI solution discarded when it turns yellow? [SM-3.c; 330.1-5.3]						
4)	Is the pH of the acetate buffer solution 4? [SM-3.d; 330.1-5.5]						
5)	Are reagents within their indicated shelf lives? [Permit]						
6)	Is sample volume 200 mL for chlorine residual up to 2 mg/L; 100 mL or proportionately less diluted up to 200 mL for chlorine residuals in excess of 2 mg/L? [SM-4.a; 330.1-6.1]						
7)	Is at least 1 mL KI solution added? [SM-4.c; 330.1-6.3]						
8)	Is at I	east 1 mL acetate buffer added after KI solution? [SM-4.c;	330.1-6.4]				
9)	Is titrant added in progressively smaller increments until all needle movement ceases? [SM-4.c; 330.1-6.6]		eases? [SM-				
10)		increment of titrant that causes no needle response subtra 30.1-6.6]	acted from final v	volume? [SM-			
11)	Is the	sample value calculated correctly? [SM-5; 330.1-7.1] TRC (mg/L) = $\frac{A \times 200}{ML}$ of sample					

PROBLEMS:

A = mL PAO used